

CTE Standards Unpacking Medical Terminology

Course: Medical Terminology

Course Description: Communication in the ever expanding health care industry is a language unto itself. Medical Terminology consists of learning medically precise pronunciations, word clues, and terminology specific to human anatomy, physiology, disease, diagnosis and treatment. This medically integrated knowledge will be valuable for all levels of health care providers and members of the health care team. Medical Terminology is recommended for students in all health science pathways.

Career Cluster: Health Science

Prerequisites: None

Program of Study Application: Medical Terminology is a second cluster course in the Health Science career cluster. Completion of Medical Terminology prepares a student to participate in Health Science Careers II and/or a pathway courses in any of the Health Science pathways: Biotech Research and Development, Therapeutic Services, Health Informatics, Diagnostics or Support Services.

INDICATOR #MT 1: Build and interpret medical terminology.		
SUB-INDICATOR 1.1 (Webb Level: 1 Recall): Decipher and create medical terms using word roots, prefixes, and suffixes.		
SUB-INDICATOR 1.2 (Webb Level: 1 Recall): Demonstrate the importance, and practice the correct spelling, of medical terminology.		
SUB-INDICATOR 1.3 (Webb Level: 2 Skill/Concept): Communicate patient/residents' care information utilizing medical terminology.		
Knowledge (Factual): -Prefix, suffix, and word roots -Spelling of medical terms -Communication techniques appropriate for healthcare -Medical terminology word building rules	Understand (Conceptual): -Importance of placement of word parts within a term -Importance of spelling medical terms especially with similar terms -Value of communication with patients and residents in terms they can understand	Do (Application): -Practice building and taking apart medical terms -Role play communicating in situations playing both the resident and staff member using appropriate medical terminology
Benchmarks: <i>Students will be assessed on their ability to:</i> <ul style="list-style-type: none"> • Demonstrate understanding of medical terminology by successfully completing assessments • Write documentation utilizing appropriate medical terminology 		

Academic Connections	
<p>ELA Literacy and/or Math Standard (if applicable, Science and/or Social Studies Standard):</p> <p>L.9-10.4.3 Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning, its part of speech, its etymology, or its standard usage.</p> <p>W.9-10.1.4 Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</p>	<p>Sample Performance Task Aligned to the Academic Standard(s):</p> <p>-Given a set of terms, analyze prefixes, suffixes, and roots to determine meaning. Conversely, given a specific meanings build a term using prefixes, suffixes, and roots.</p> <p>-Write sample documentation utilizing appropriate medical terminology</p>

INDICATOR #MT 2: Demonstrate use of medical terminology in relation to the human body.		
SUB-INDICATOR 2.1 (Webb Level: 2 Skill/Concept): Utilize medical terminology associated with the human body and medical healthcare treatment.		
SUB-INDICATOR 2.2 (Webb Level: 2 Skill/Concept): Understand body planes, directional terms, quadrants, and cavities using medical terminology.		
<p>Knowledge (Factual):</p> <ul style="list-style-type: none"> -Anatomy, physiology, and pathophysiology -Body planes, directions, quadrants, and cavities 	<p>Understand (Conceptual):</p> <ul style="list-style-type: none"> -Importance of correct application of medical terms -Value of knowing locations of planes, directions, quadrants, and cavities 	<p>Do (Application):</p> <ul style="list-style-type: none"> -Practice basic documentation using medical terms and verbalizing appropriately -Create models applying the planes, directions, quadrants, and cavities

Benchmarks:

Students will be assessed on their ability to:

- Document in a mock medical record utilizing appropriate medical terminology.
- Demonstrate knowledge of planes, directions, quadrants, and cavities by successfully completing assessments.

Academic Connections

ELA Literacy and/or Math Standard (if applicable, Science and/or Social Studies Standard):

5.G.A.2 Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

W.9-10.1.4 Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.

Sample Performance Task Aligned to the Academic Standard(s):

-Create a graphical model of the abdominal quadrants and regions using the umbilicus as the origin of the coordinate plane.

-Document in a mock medical record utilizing appropriate medical terminology.

INDICATOR #MT 3: Utilize medical terminology to identify and interpret signs and symptoms of diseases and disorders.

SUB-INDICATOR 3.1 (Webb Level: 2 Skill/Concept): Utilize medical terminology to compare and contrast symptoms of diseases and disorders.

SUB-INDICATOR 3.2 (Webb Level: 2 Skill/Concept): Utilize medical terminology pertaining to diagnosis and treatment of diseases and disorders in patients/residents.

Knowledge (Factual):

- Signs and symptoms of diseases and disorders
- Anatomy, physiology, pathophysiology
- Medical terminology

Understand (Conceptual):

- How the parts of a medical term are used to identify location, amount, color, procedure, and other relevant information of a disease or disorder
- Importance of dissecting a medical term to identify its

Do (Application):

- Review sample progress notes to analyze medical terminology terms to decipher the documentation
- Analyze large medical terms by dissecting them into their word parts

	meaning	
Benchmarks: <i>Students will be assessed on their ability to:</i> <ul style="list-style-type: none"> Identify word parts of medical terms and their meanings Write a paper that determines a diagnosis by interpreting the signs and symptoms and by using proper medical terminology 		
Academic Connections		
ELA Literacy and/or Math Standard (if applicable, Science and/or Social Studies Standard): 11-12.L.6 Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression. 11-12.L.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 11–12 reading and content, choosing flexibly from a range of strategies.	Sample Performance Task Aligned to the Academic Standard(s): -Write a paper that determines a diagnosis by interpreting the signs and symptoms and by using proper medical terminology -Identify word parts of medical terms and their meanings	

Additional Resources

- Quizlet Flashcard Practice of Medical Terminology:
<https://quizlet.com/759301/medical-terminology-350-flash-cards/>
- Med9cal Terminology - <http://www.online-medical-dictionary.org/>

- List of Common Medical Abbreviations and Acronyms :
http://www.medicinenet.com/common_medical_abbreviations_and_terms/article.html
- Medical Terminology Quiz - <http://www.theonlinelearningcenter.com/free-medical-games/MISC002/medical-terminology-quiz.html>
- The Clinician's Ultimate Reference - <http://www.globalrph.com/medterm.htm>
- Translation Directory -
<http://www.translationdirectory.com/glossaries/glossary328.php>
- Health Occupations for Today and Tomorrow-Careers -
www.healthcareers.sd.gov